

- Project Name: Central Subway Tunneling / San Francisco MTA Project #1252
- Contractor(JV): Barnard Impregilo Healy JV
- Subject: Seismic Seal / Ω seal
- Spec: ① Watertightness; 0.15MPa
② Expansion and contraction displacement; $\pm 101.6\text{mm}$
③ Shear displacement; $\pm 38.1\text{mm}$

10th April, 2015
MUTSUBISHI RUBBER CO. LTD.

1. Water pressure test in our plant



2. Ω seal



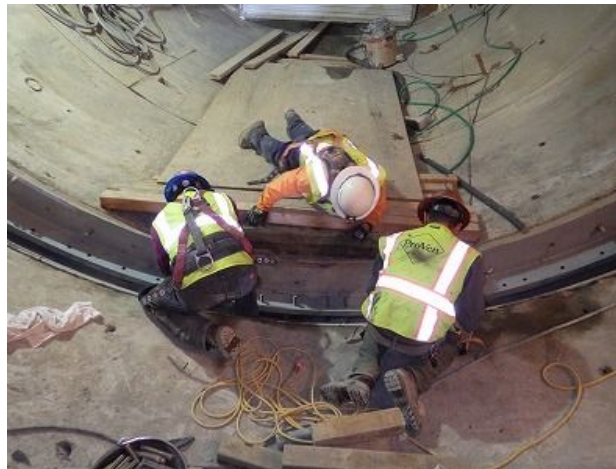
3. Holding pressure; 0.25MPa



4. Tunnel eye concrete



5. Installation of bolts



6. Temporary setting of Ω seal



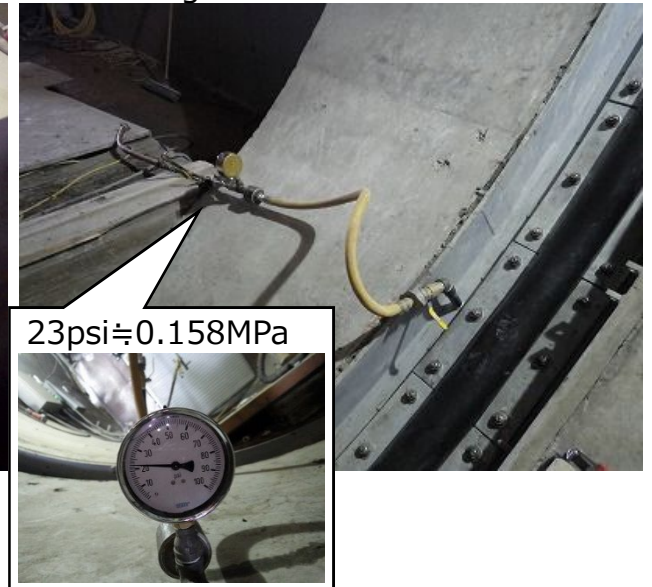
7. Installation of retainers



8. Installation completion of Ω seal



9. Watertightness test at site



10. Work completion



11. Overview design

